CONESTOGA-ROVERS
& ASSOCIATES

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December 19, 2013 Reference No. 038443-62

Mr. Bruce Mangeot
B&G Equipment and Truck Repair, Inc.
1951 Dryden Road
Dayton, Ohio
45439

Dear Mr. Mangeot:

Re: Summary of Results for 30-day Proficiency Sampling
October 2013
South Dayton Dump and Landfill Site – B&G Equipment and Truck Repair, Inc (Building 9)

Conestoga-Rovers & Associates (CRA) prepared this letter to inform you of the results of the 30-day proficiency sampling, consisting of indoor and outdoor air samples collected from the paint building located at 1951 Dryden Road on October 24, 2013. CRA is working as an environmental consultant for the companies investigating the neighboring South Dayton Dump and Landfill Site under an Administrative Settlement Agreement and Order on Consent with the United States Environmental Protection Agency (these companies are collectively referred to herein as the Respondents).

On March 27, 2012, CRA collected samples to determine if solvent- or petroleum-related compounds were present in soil vapor beneath the foundations and in the indoor air of Building 9 at concentrations which exceed sub-slab and/or indoor air VI screening levels, as established by the Ohio Department of Health (ODH). The chemical trichloroethene (TCE) was observed in sub-slab and indoor air samples collected in Building 9 at concentrations greater than the ODH TCE screening levels. These results confirmed that vapor intrusion is occurring in Building 9

As the sub-slab and indoor air concentrations exceeded the ODH screening level for TCE in Building 9 confirming the occurrence of vapor intrusion, the Respondents agreed to install a system to reduce the concentrations of TCE beneath the building floor slab and in the indoor air. CRA and Environmental Doctor installed a sub-slab depressurization system (SSDS) on behalf of the Respondents to reduce the potential for vapor intrusion to occur. The system is called a sub-slab depressurization system because it lowers the pressure beneath the building slab, thereby ensuring that air from beneath the slab will not flow into the building where the air pressure is higher.

To demonstrate that the system is working as designed to reduce indoor air concentrations of TCE to less than ODH screening level criteria, the Respondents are required to collect samples of the indoor air 30, 180, and 365 days after the system commences operation. CRA collected the 30-day proficiency indoor air samples on October 24, 2013 and the samples were submitted to TestAmerica, Inc., an independent laboratory. CRA received and validated the results of the laboratory analysis and

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submitted those results to the United States Environmental Protection Agency. A summary of the 30-day proficiency analytical results and comparisons to the ODH indoor air screening levels can be found in Table 1. The sample locations are shown on Figure 1.

In October 2013, all compounds were either not present at detectable concentrations or were detected at concentrations less than the ODH screening levels for indoor air samples. The laboratory results confirm that the SSDS is operating successfully. Additional sampling is required 180 and 365-days following system installation and is scheduled for March 2014, and September 2014, respectively.

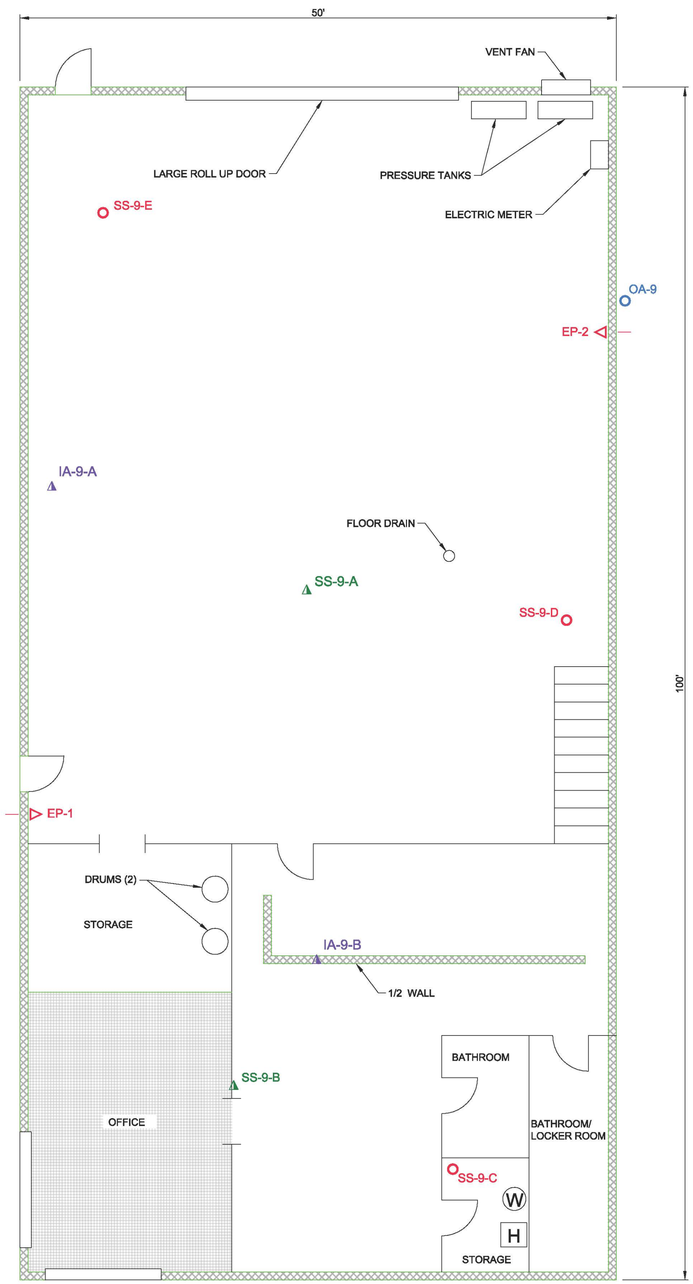
Yours truly,

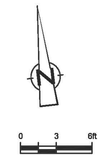
CONESTOGA-ROVERS & ASSOCIATES

Adam C. Loney, P. Eng.

VC/cb/1
Encl.

cc: Steve Renninger, U.S. EPA On-Scene Coordinator
Leslie Patterson, U.S. EPA Remedial Program Manager
Madelyn Smith, Ohio EPA, Site Coordinator
Bob Frey, Ohio Department of Health
John Sherrard, CSS-Dynamac
Tina Ortiz, Mark Fornes Realty





LEGEND:

- EP-1 — SUCTION POINT LOCATION
- PIPING AND FAN LOCATION
- CP-1 — COMPLIANCE POINT LOCATION
- IA-9-B — INDOOR AIR LOCATION
- OA-9 — OUTDOOR AIR LOCATION
- CONCRETE BLOCK
- INTERIOR WALL
- FLOOR DRAIN
- H — HEATER
- W — WATER TANK
- TILING
- DOOR
- STAIRS
- 5171-2-A — EXISTING SOIL VAPOR PROBE LOCATION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY SIGNATURE

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

SUB-SLAB DEPRESSURIZATION SYSTEM OM&M PLAN

1951 DRYDEN ROAD
PARCEL NUMBER 5171, BUILDING 9
SSDS LAYOUT

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Source Reference:			Date: SEPTEMBER 2013
Project Manager: A. LONEY	Reviewed By: N. SHANKS	Designed By: N. SHANKS	Drawn By: C. ROHRICH
Scale: 1" = 6'	Project No: 38443-00	Report No: 023	Drawing No: GN-01

38443-00(023)GN-BU001 NOV 21/2013

TABLE 1

SUMMARY OF 30-DAY HYBRID PROFICIENCY SAMPLING ANALYTICAL RESULTS
BUILDING 9
B+G EQUIPMENT TRUCK REPAIR, INC.
1951 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***IA-9-A***	***IA-9-B***	***OA-9***
Sample Date:			***10/24/2013***	***10/24/2013***	***10/24/2013***
Parameter	***Units***	***ODH Industrial / Non-Residential Indoor Air Screening Level a***			
Volatile Organic Compounds					
1,1-Dichloroethane	ppbv	16	ND	ND	ND
Benzene	ppbv	2	ND	ND	ND
Chloroform (Trichloromethane)	ppbv	80	ND	ND	ND
cis-1,2-Dichloroethene	ppbv	37	ND	ND	ND
Ethylbenzene	ppbv	250	42	39 J	ND
m&p-Xylenes	ppbv	200	180	160	ND
Naphthalene	ppbv	2.9	ND	ND	ND
o-Xylene	ppbv	200	66	60	ND
Tetrachloroethene	ppbv	25	ND	ND	ND
Trichloroethene	ppbv	2	ND	ND	ND
Vinyl chloride	ppbv	2	ND	ND	ND

Notes:

J - The chemical was detected by the laboratory, the listed value is an approximate concentration
ND - The chemical was not detected
ppbv - parts per billion by volume
 - Concentration was greater than applicable criteria.